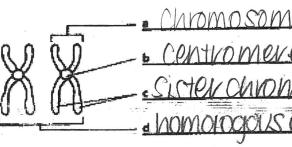
Name

Chromosomes and Karyotypes

2. What are the 2 kinds of sex chromosomes? and	are
4. Define haploid. CEUS WITH 1/2 the total number of Chromo 23 Chromosomes total in all somatic (body/tissue) cells. How many of these chromosomes autosomes? 44 6. If an organism has a diploid number of 16, how many chromosomes will be found in one of its skin cells? 7. If an organism has a diploid number of 20, how many chromosomes will its sex cells have?	are
5. Humans have 46 chromosomes <i>total</i> in all somatic (body/tissue) cells. How many of these chromosomes autosomes? 6. If an organism has a diploid number of 16, how many chromosomes will be found in one of its skin cells? 7. If an organism has a diploid number of 20, how many chromosomes will its sex cells have?	are
autosomes?	11.
6. If an organism has a diploid number of 16, how many chromosomes will be found in one of its skin cells?	
7. If an organism has a diploid number of 20, how many chromosomes will its sex cells have?	
8. During cell division, the DNA in a eukaryotic cell is tightly packed and organized into structures called CAVOMOSOVMES	
Answer questions 9-13 using the diagram to the left.	
9. What is the picture to the left called? Kanyoty P	<u> </u>
10. How many total pairs of chromosomes do you see?	23
11. How many total autosomes are there?	
12. How many total sex chromosomes are there?	-
13 14 15 16 17 18 13. What is the sex of the organism?	
W XC to 31 22 27	
14. The diagram to the <u>right</u> shows structures	

14. The diagram to the <u>right</u> shows structures isolated from the nucleus of a eukaryotic cell dividing. Label each structure or pair of structures in the spaces provided.



KAR	YOTYPE A		14-11	
Answer questions 15-20 based on Karyotype A. 15. How many pairs of chromosome see?				
16. What is the sex of this organism	The second secon			
17. If you start with chromosome nu Describe this trend.	mber 1 and go until chro	omosome number 2	2 you will see a trend	in size cor
18. How many chromosomes will be 19. What are these numbered pairs (20. Every karyotype is specially name example: 46. 2) The sex of the organiexample: +18. What is the name of the sex of	of chromosomes called? ed. This naming system is ism, example: XX. 3) And	s based on three this any extra chromos	ngs: 1) The number o	f chromos
KARYOTYPE Answer questions 21-26 based on Karyotype B.	В		3—83—83 20 20 21	
Answer questions 21-26 based on				
Answer questions 21-26 based on Karyotype B. 21. How many pairs of autosomes ar 22. Are there any TRISOMY'S (three of	e there? 22		type? Ves	
Answer questions 21-26 based on Karyotype B. 21. How many pairs of autosomes ar	the there? 22 chromosomes instead of 2 chromosomes are there?	a pair) in this karyo	type? Ves	